tv

PHILIPS

MODEL : _____

PROD. NO : _____

GB Please note the reference numbers for your TV set located on the packaging or on the back of the set.

FR Veuillez noter les références de votre téléviseur situées sur l'emballage ou au dos de l'appareil.

NL Let op de referenties van uw televisietoestel die op de verpakking of op de achterkant van het toestel staan.

DE Notieren Sie die Referenznummern Ihres Fernsehgeräts, die sich auf der Verpackung bzw. auf der Rückseite des Geräts befinden.

IT Notare i riferimenti del vostro televisore situati sull'imballaggio o sul retro dell'apparecchio.

DK Bemærk de oplysninger om dit TV, der findes på kassen eller bagsiden af TV-apparatet.

NO Noter deg referansen for TV-apparatet, som du finner på emballasjen eller på baksiden av apparatet.

SU Notera de uppgifter om er TV som återfinns på kartongen eller baksidan av TV-apparaten.

SF Lue myös television myyntipakkauksessa tai television takana olevat merkinnät.

ES Anote las referencias de su televisor que se encuentran en el embalaje o en la parte trasera del aparato.

PT Anote as referências do seu televisor localizadas na embalagem ou na parte de trás do aparelho.

GR Σημειώστε τις οδηγίες χρήσης της τηλεόρασής σας που βρίσκονται στη συσκευασία ή στο πίσω μέρος της συσκευής

TR Ambalajın üzerinde ya da aletin arkasında bulunan referansları başka bir yere not edin.

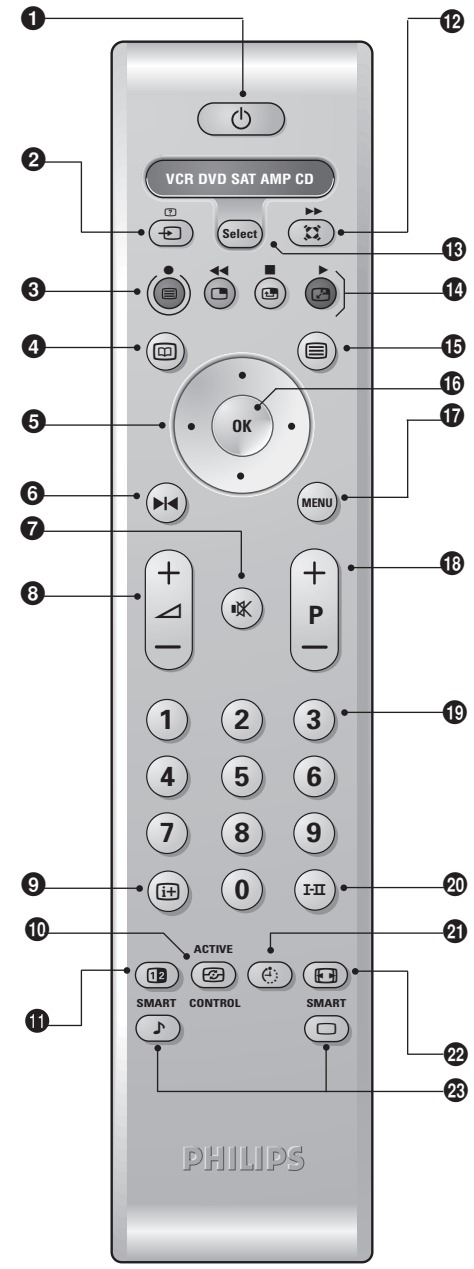
HU Kérjük vegye figyelembe az Ön televíziójának a hátoldalán és a csomagoláson feltüntetett katalógusszámokat.

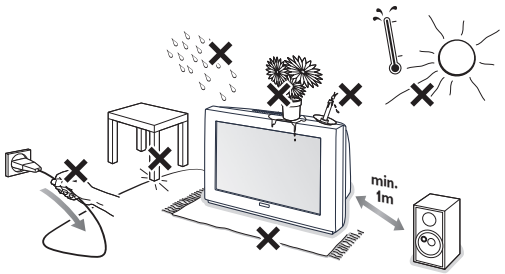
RU Запишите номер модели вашего телевизора, который указан на упаковочной коробке или на задней стороне аппарата.

PL Prosimy o zanotowanie oznaczeń telewizora umieszczonych na opakowaniu lub tylnej części urządzenia.

CZ Poznamenejte si typové údaje Vašeho televizoru umístěné na obalu nebo na zadní straně přístroje.

SK Poznačte si typové údaje Vášho televízora nachádzajúce sa na obale alebo na zadnej strane prístroja.





GB For detail explanation of the remote control's function and safety page, please refer to page 3.

FR Pour les instructions détaillées sur la fonction de télécommande et les pages d'informations relatives à la sécurité, veuillez vous reporter à la page 3.

NL Zie pagina 3 voor meer informatie over de functies van de afstandsbediening en de veiligheidsinformatie.

DE Eine detaillierte Beschreibung der Funktionen der Fernbedienung sowie Sicherheitshinweise finden Sie auf Seite 3.

IT Per istruzioni dettagliate sulle funzioni del telecomando e la sicurezza andare a pagina 3.

DK Yderligere oplysninger om fjernbetjeningens funktion og sikkerhed finder du på side 3.

NO For detaljert forklaring av fjernkontrollens funksjoner og sikkerhetsside, se side 3.

SU Mer information om fjärrkontrollens funktion och säkerhetssidan finns på sidan 3.

SF Lisätietoja kaukosäätimen toiminnasta ja turvallisuusasioista saat sivulta 3.

ES Para explicaciones más detalladas de la función de control remoto y la página de seguridad, diríjase a la página 3.

PT Para obter explicações detalhadas sobre as funções do controlo remoto e da página de segurança, consulte a página 3.

GR Για λεπτομερείς επεξηγήσεις της λειτουργίας του τηλεχειριστηρίου και τη σελίδα με μέτρα ασφαλείας ανατρέξτε στη σελίδα 3.

TR Uzaktan kumandanın işlevi ve güvenlik sayfası ile ilgili ayrıntılı açıklama için 3. sayfaya bakın.

HU A távkapcsoló funkcióival és a biztonsági oldallal kapcsolatos részletes tudnivalókat a 3. oldalon olvashatja.

RU Подробное описание назначения пульта дистанционного управления и информацию по технике безопасности смотрите на странице 3.

PL Szczegółowy opis funkcji pilota i informacje o bezpieczeństwie znajdują się na stronie 3.

CZ Podrobné pokyny pro používání funkce dálkového ovladače a bezpečnostní pokyny najdete na straně 3.

SK Detailné vysvetlenie funkcií diaľkového ovládača a o informácie bezpečnosti nájdete na strane 3.

Introduction

Thank you for purchasing this television set.
This handbook has been designed to help you install and operate your TV set.
We would strongly recommend that you read it thoroughly.
Note: Specification and information subject to change without notice.

Table of Contents

Installation
Installing your television set 2
The keys on the TV set 2
Remote control keys 3
Safety information 3
Quick installation 4
Program sort 4
Program name 4
Manual store 5
Favourite Programmes 5
Other settings in the Install menu 5

Operation
Picture settings 6
Sound adjustments 6
Feature settings 6
Timer function 7
TV lock 7
Teletext 8
Screen Formats 9
Using PIP 9

Peripherals
Video recorder 10
Other equipment 10
Sides connections 10
Amplifier 10
EasyLink Function 11
Video recorder or DVD, SAT, AMP, CD keys 11

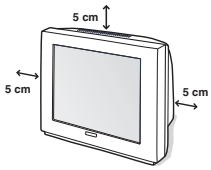
Practical information
Tips 12
Safety Information: Electric, Magnetic and Electromagnetic Fields 12
Glossary 13

Recycling
This packaging of this set can be recovered or recycled. Apply to the local authorities in order to minimise environmental waste.

Disposal of your old product.
Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.
When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.
Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

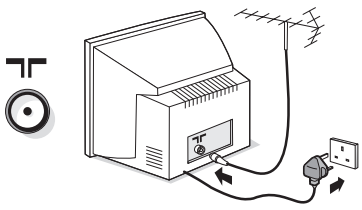
Installing your television set

❶ Positioning the television set



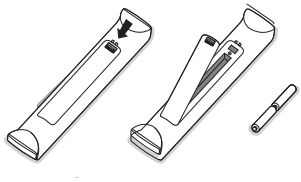
Place your TV on a solid, stable surface, leaving a space of at least 5 cm around the appliance.
To avoid accidents, do not put anything on the set such as a cloth or cover, a container full of liquid (vase) or a heat source (lamp).
The set must not be exposed to water.

❷ Connections



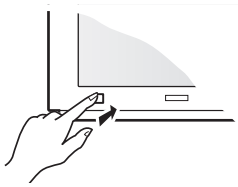
- Insert the aerial plug into the ⊓ socket at the rear of the set.
  If you are using an indoor aerial, reception may be difficult in certain conditions. You can improve reception by rotating the aerial. If the reception remains poor, you will need to use an external aerial.
- Insert the mains plug into a wall socket (220-240 V / 50 Hz).

❸ Remote control



Insert the two R6-type batteries (supplied) making sure that they are the right way round.
Check that the mode selector is set to TV.
The batteries supplied with this appliance do not contain mercury or nickel cadmium.
If you have access to a recycling facility, please do not discard your used batteries (if in doubt, consult your dealer). When the batteries are replaced, use the same type.

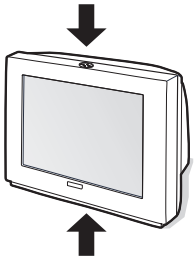
❹ Switching on



To switch on the set, press the on/off key.
A red indicator comes on and the screen lights up. Go straight to the chapter Quick installation on page 4.
If the television remains in standby mode, press P ⊕ on the remote control.
The indicator will flash when you use the remote control.

The keys on the TV set

The television set has 4 or 5 keys which are located on the front or the top of the set depending on the model.
The VOLUME - + (- ◿ +) keys are used to adjust sound levels. The PROGRAM - + (- P +) keys are used to select the required programmes.
To access the menus, simultaneously hold down the ◿ - and ◿ + keys (or MENU key).
The PROGRAM - + keys may then be used to select an adjustment and the - ◿ + keys to make that adjustment.
To exit from the menus, hold down the 2 ◿ - and ◿ + keys (or MENU key).
Note : when the **Child Lock** *function is activated, these keys are unavailable (refer to* **Features** *menu on page 7).*



Remote control keys

❶ **Standby**
To set the TV to standby mode.
To switch the TV set on again, press ⏻, P ⊖ ⊕ or ⓪ ⑨.

❷ **Select peripherals (p.10)**
Press several times to select the required EXT connector.

❸ **List of programmes**
To display/clear the list of programmes. Use the ∧∨ cursor to select a programme and the cursor to display it.
The symbol 🔒 is displayed alongside all programmes which are locked (p.7).

❹ **NEXTVIEW:**
refer to the separate booklet (only available on certain models).

❺ **Cursor**
These 4 keys are used to move around the menus (∧ ∨ < >).

❻ **Freeze the picture**

❼ **Mute**
To mute or restore the sound.

❽ **Volume**
To adjust the sound level.

❾ **Screen information**
To display / remove the programme number, the name (if it exists), the time, the sound mode and the time remaining on the timer. Hold down for 5 seconds to permanently display the programme number on the screen. The volume level and the smart control adjustments are then displayed each time they are used.

❿ **Active Control** *(according to the version)*
Optimizes the quality of the picture according to the quality of reception.

⓫ **Dual screen** *(according to the version)*
To activate/disable the display on 2 screens. The second screen displays teletext.

⓬ **Surround Sound**
To activate / deactivate the surround sound effect. In stereo, this gives the impression that the speakers are further apart. For models equipped with Virtual Dolby Surround*, you can experience Dolby Surround Pro Logic sound effects.

⓭ **Mode selector (p. 11)**
To activate the remote control in TV, VCR, DVD, SAT, AMP or CD mode.

⓮ **Teletext keys** (p. 8),
PIP (p.9) or VCR / DVD (p.11).

⓯ **Teletext (p. 8).**

⓰ **Audio and video equipment key (p.11)**

⓱ **Menu**
To call up or exit the menus.

⓲ **Programme selection**
To access the next or previous TV channel from the list of Favourite Programmes (see p. 5).

⓳ **Digit keys**
Direct access to the programmes. For a 2 digit programme, enter the 2nd digit before the dash disappears.

⓴ **Sound mode**
Used to force programmes in **Stereo** and **Nicam Stereo** to **Mono** or, for bilingual programmes, to choose between **Dual I** or **Dual II**.
The **Mono** *indication is red when in forced position.*

㉑ **Sleeptimer**
To select the length of time before the set automatically switches to standby (from 0 to 240 minutes).

㉒ **Screen Format (p. 9).**

㉓ **Smart picture and sound**
Used to access a series of predefined picture and sound settings.
The **personal** *position relates to settings selected from the menus.*

** Manufactured under license from Dolby Laboratories.*
"Dolby" and the double-D symbols are trademarks of Dolby Laboratories.

Safety Information

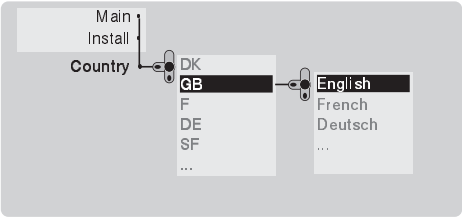
- Plug the TV into a 220V – 240V AC, 50 Hz supply.
- Disconnect mains plug when :
– the red light below the TV screen is flashing continuously.
– a bright white line is displayed across the screen.
– there is a lightning storm.
– the set is left unattended for a prolonged period of time.
- Cleaning the TV screen. Never use abrasive cleaning agents. Use a slight damp chamois leather or soft cloth.
- No naked flame sources, such as lighted candles, should be placed on top of the TV or in the vicinity.
- Do not place your TV set under direct sunlight or heat.
- Do not cover or block the TV as it could lead to overheating.
- Leave at least 5 cm around each side of TV set to allow for proper ventilation.
- Avoid placing your set (e.g. near the window) where it is likely to be exposed to rain or water.
- Battery Usage CAUTION – To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
– Install all batteries correctly, with + and – aligned as marked on the unit.
– Do not mix batteries (old and new or carbon and alkaline, etc.).
– Remove batteries when the unit is not used for a long time.

Useful Tips

- Do not leave your set on standby mode for a prolonged period of time. Switch off set to allow it to be demagnetised. A demagnetised set supports good picture quality.
- Do not shift or move the set around when it is switched on. Uneveness in colour in some parts of the screen may occur.
- Never attempt to repair a defective TV yourself. Always consult a skilled service personnel.

Quick installation

When you turn on the TV set for the first time, a menu is displayed on screen.
This menu prompts you to select the country and language for the menus :



If the menu is not displayed, press and hold down the ◿- and ◿+ keys on the TV set for 5 seconds to display the menu (or MENU key depending on versions).

❶ Use the ∧∨ cursor on the remote control to select your country and validate with .
If your country does not appear in the list, select choice "…"

❷ Next select your language using the ∧∨ cursor and validate with .

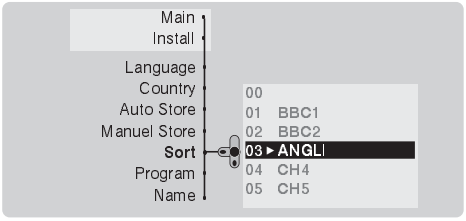
❸ The search starts automatically. All the available TV programmes will be stored. This operation takes a few minutes.
The display shows the progress of the search and the number of programs found. At the end of the search, the menu disappears.
To exit or interrupt the search, press (MENU). If no programme is found, consult the possible solutions p. 12.

❹ If the transmitter or cable network sends the automatic sort signal, the programs will be numbered correctly. In this case, the installation is complete.

❺ If this is not the case, you need to use the Sort menu to number the programs correctly.
Some transmitters or cable networks broadcast their own sort parameters (region, language, etc.). In this case, indicate your choice using the ∧∨ cursor and validate with .

Program sort

❶ Press key (MENU). The Main menu is displayed on the screen.



❷ With the cursor, select the Install menu followed by the Sort menu.

❸ Select the programme you want to move using the ∧∨ cursor and press .

❹ Then use the ∧∨ cursor to select the new number and validate with .

❺ Repeat steps ❸ and ❹ for each program you wish to renumber.

❻ To quit the menus, press (i+).

Program name

If required, you can give a name to the programmes and external connectors.
Note : on installation, the programs are named automatically when an identification signal is sent.

❶ Press the (MENU) key.

❷ With the cursor, select the Install menu, then Name.

❸ Use the (−) P (+) keys to select the programme to name or rename.

❹ Use the cursor to move around the name display area (5 characters) and the ∧∨ cursor to select the characters.

❺ When the name has been entered, use the (MENU) key to exit. The name is stored.

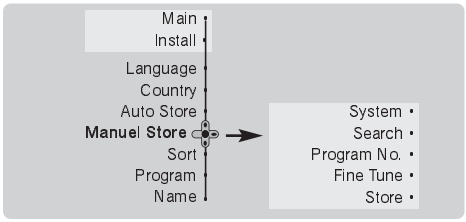
❻ Repeat steps ❸ to ❺ for each programme you wish to name.

❼ To quit the menus, press (i+).

Manual store

This menu is used to store the programmes one at a time.

1. Press the MENU key.
2. With the cursor, select the **Install** menu then **Manual store** :

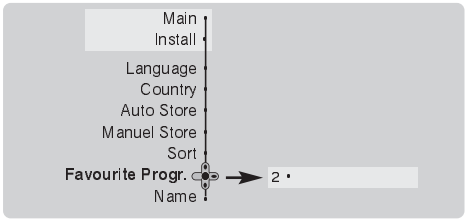


3. **System:** select **Europe** (automatic detection*) or **Western Europe** (BG standard), **Eastern Europe** (DK standard), **United Kingdom** (I standard) or **France** (LL' standard).
   * *Except for France (LL' standard), you must select choice* **France**.
4. **Search** : press . The search starts. Once a programme is found, the scanning stops and its name is displayed (when available). Go to the next step. If you know the frequency of the required programme, this can be entered directly using the 0 to 9 keys.
   If no picture is found, consult the possible solutions (p. 12).
5. **Program No.** : enter the required number with the or 0 to 9 keys. Example : program 1, enter 0 1.
6. **Fine Tune** : if the reception is not satisfactory, adjust using the cursor.
7. **Store** : press . The program is stored.
8. Repeat steps 4 to 7 for each programme to store.
9. To quit the menus, press .

Favourite programmes

This menu allows you to select the programmes to be accessed with the − **P** + key.

1. Press the MENU key.
2. With the cursor, select the **Install** menu then **Favourite Progr.** and press .



The list of favourite programmes is displayed. The programmes that were stored at installation will automatically appear on this list.

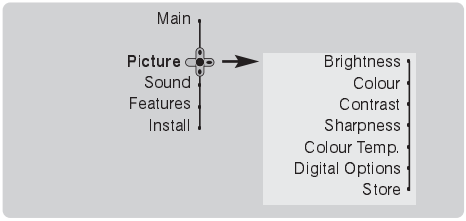
3. Use the up/down cursor to select the required programme.
4. Use the left/right cursor to add or remove a programme from the list.
5. Run through steps 3 and 4 for each programme to be added or removed from the list.
6. To exit, press several times.

Other settings in the Install menu

1. Press the MENU key and select the **Install** menu:
2. **Language** : to change the display language for the menus.
3. **Country** : to select your country (**GB** for Great Britain).
   This setting is used for the search, automatic programme sort and teletext display. If your country does not appear in the list, select "…"
4. **Auto Store** : to start automatic search for all programmes available in your region. If the transmitter or cable network sends the automatic sort signal, the programmes will be numbered correctly. If this is not the case, you need to use the Sort menu to renumber the programmes (see p. 4).
   Some transmitters or cable networks broadcast their own sort parameters (region, language, etc.). In this case, indicate your choice using the ∧∨ cursor and validate with . To quit or interrupt the search, press MENU. If no picture is found, consult the possible solutions (p. 12).
5. To quit the menus, press .

Picture settings

❶ Press (MENU) then cursor. The Picture menu is displayed :



❷ Use the ∧∨ cursor to select a setting and the cursor to adjust.
Note : during the picture adjustment, only the selected line remains displayed. Press ∧∨ to display the menu again.

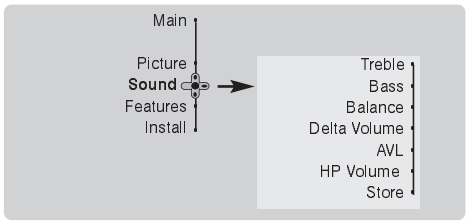
❸ Once the adjustments have been made, select **Store** and press to store them.
Press (i+) to exit.

Description of the adjustments :

- **Brightness** : this changes picture brilliance.
- **Colour** : this changes the intensity of the colour.
- **Contrast** : this changes the difference between the light and dark tones.
- **Sharpness** : this changes the picture definition.
- **Colour Temp.**: this changes the colour rendering: **Cold** (bluer), **Normal** (balanced) or **Warm** (redder).
- **Digital Options** :
  - **100 Hz** : 100 Hz processing.
  - **Digital Scan** *(according to the version)* : reduces line flicker which is visible on some pictures.
  - **Double lines** : doubling of vertical resolution which removes visible picture lines.
    Advised for NTSC (60Hz) pictures.

Sound adjustments

❶ Press (MENU), select Sound (∨) and press . The **Sound** menu is displayed :



❷ Use the ∧∨ cursor to select a setting and the cursor to adjust.

❸ Once the adjustments have been made, select Store and press to store these changes.

❹ To quit the menus, press (i+).

Description of the settings :

- **Treble** : this alters the high frequency sounds.
- **Bass** : this alters the low frequency sounds.
- **Balance** : this balances the sound on the left and right speakers.
- **Delta Volume** : this is used to compensate any volume discrepancies between the different programs or EXT sockets.
  This setting is available for programs 0 to 40 and the EXT sockets.
- **AVL** (Automatic Volume Leveller) : this is used to limit increases in sound, especially on program change or advertising slots.
- **HP Volume** : allows you to adjust the headphones volume independently from the loud-speakers on the TV set.

Feature settings

❶ Press (MENU), select **Features** (∨) and press . You can adjust :

❷ **Timer, Child Lock** and **Parental Cont.** : see next page

❸ **DNR: Min, Med** (optimum position), **Max** or **Off** : attenuates picture noise (snow) in difficult reception conditions.

❹ **Rotation** (only available on very large screen sets) : large screen sets are sensitive to terrestrial magnetic field variations.
This setting is used to compensate for this by adjusting the picture rotation.

❺ **Dynamic Contrast** *(according to the version)* : **Min, Med** (optimum position), **Max** or **Off**.
Enhances the contrast of details in lighter, average and darker areas.

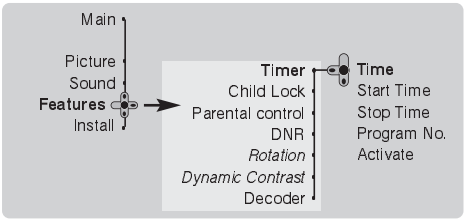
❻ **Decoder :** select the programme(s) that use the external decoder then select the connector where the decoder is connected : **EXT1** or **EXT2**.
*If the decoder is connected to the video recorder, select the video recorder's connector (**EXT2**).*

❼ To quit the menus, press (i+).

Timer function

This menu lets you use the TV set as an alarm.

1. Press the MENU key.
2. With the cursor, select the **Features** menu then **Timer** :



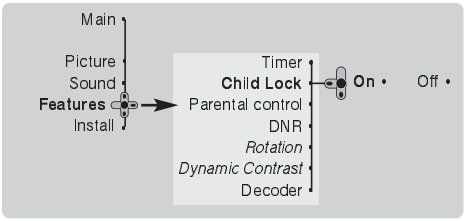
3. **Time** : enter the current time.
   Note : the time is updated automatically each time the TV set is switched on via the teletext information on programme 1. If this program does not have teletext, the update will not take place.
4. **Start Time** : enter the start time.
5. **Stop Time** : enter the standby time.
6. **Program No.** : enter the number of the programme for the wake-up alarm.
7. **Activate** : the settings include:
   - **Once** for a single alarm,
   - **Daily** for each day,
   - **Stop** to cancel.
8. Press ⏻ to put the TV set in standby.
   It will automatically come on at the time programmed. If you leave the TV set on, it will just change programmes at the time entered (and will go to standby mode at the **Stop Time**).
   By combining the **TV lock** *and* **Timer** *functions, you can restrict the period during which the TV set is used, for example by your children.*

TV lock

You can block certain programs or inhibit use of the TV set completely by locking the keys.

Child lock

1. Press MENU.
2. With the cursor, select the **Features** menu and position **Child Lock** to **On**.



3. Turn off the TV set and hide the remote control. The TV set cannot be used (except via the remote control).
4. To cancel : position **Child Lock** to **Off**.

Parental control

1. Press the MENU key, select the **Features** menu then **Parental Cont.** :
2. You must enter your secret access code.
   The first time you enter this, enter code 0711 twice and then enter your new code choice.
   The menu is displayed.
3. **Parental Cont.** : Use the ∧∨ cursor to select the TV programme required and validate with . The 🔒 symbol will be displayed opposite the programmes or sockets that are locked. From now on, to view a locked programme, you must enter your secret code, otherwise the screen will stay blank.
   All : *this is used to lock all the TV programmes and EXT connectors.*
   The access to the **Install** *menu is also locked. Caution, for encrypted programs using an external decoder, you must lock the corresponding EXT socket.*
4. **Change code** : this allows you to enter a new 4 digit code. Confirm your new code by entering it a second time.
   If you have forgotten your secret code, enter the universal code 0711 twice.
5. **Unlock all** : this is used to unlock all locked programmes.
6. Press the ⏎ key to quit.

Teletext

Teletext is an information system broadcast by certain channels which can be consulted like a newspaper. It also offers access to subtitles for viewers with hearing problems or who are not familiar with the transmission language (cable networks, satellite channels, etc.).

Press :	You will obtain :
Teletext call	This is used to call teletext, change to transparent mode and then exit. The summary appears with a list of items that can be accessed. Each item has a corresponding 3 digit page number. *If the channel selected does not broadcast teletext, the indication 100 will be displayed and the screen will remain blank (in this case, exit teletext and select another channel).*
Selecting a page	Enter the number of the page required using the 0 to 9 or − P + keys. Example: page 120, enter 1 2 0. The number is displayed top left, the counter turns and then the page is displayed. Repeat this operation to view another page. *If the counter continues to search, this means that the page is not transmitted. Select another number.*
Direct access to the items	Coloured areas are displayed at the bottom of the screen. The 4 coloured keys are used to access the items or corresponding pages. *The coloured areas flash when the item or the page is not yet available.*
Contents	This returns you to the contents page (usually page 100).
Direct selection of sub-pages	Certain pages contain sub-pages (for example, page 120 contains sub-pages 1/3, 2/3 and 3/3). Use the cursor to directly access the sub-pages of your choice.
Enlarge a page	This allows you to display the top or bottom part of the page and then return to normal size.
Double page teletext *(only available on certain versions)*	To activate or deactivate the double page teletext display mode. The active page is displayed on the left and the following page is displayed on the right. Press if you want to hold a page (i.e. the contents page). The active page is then displayed on the right. To return to normal mode, press I-II.
Hidden information	To display or hide the concealed information (games solutions).
Favourite pages	Instead of the standard coloured areas displayed at the bottom of the screen, you can store 4 favourite pages on the first 40 channels which can then be accessed using the coloured keys (red, green, yellow, blue). Once set, these favourite pages will become the default every time tetetext is selected. 1 Press the MENU key to change to favourite pages mode. 2 Display the teletext page that you want to store. 3 Press the coloured key of your choice for 3 seconds. The page is now stored. 4 Repeat the operation with the other coloured keys. 5 Now when you consult teletext, your favourite pages will appear in colour at the bottom of the screen. To temporaly retrieve the standard items, press MENU. *To clear everything, and return the standard items as the default, press for 5 seconds.*

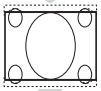
Screen Formats

The pictures you receive may be transmitted in 16:9 format (wide screen) or 4:3 format (conventional screen). 4:3 pictures sometimes have a black band at the top and bottom of the screen (letterbox format). This function allows you to optimise the picture display on screen.

If your television is equipped with a 4:3 screen.

Press the ⊞ key (or ∧∨ cursor) to select the different modes:

4:3 The picture is reproduced in 4:3 format.



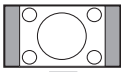
Expand 4:3 The picture is enlarged vertically. This mode is used to cancell the black bands when watching a programme in letterbox format.

Compress 16:9 The picture is compressed vertically into 16:9 format.

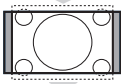
If your television is equipped with a 16:9 screen.

Press the ⊞ key (or cursor) to select the different modes:

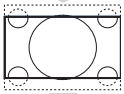
This TV set is also equipped with automatic switching which will select the correct-screen format, provided the specific signals are transmitted with the programmes.



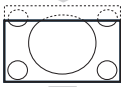
4:3 The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture. The picture may be progressively enlarged using the ∧∨ cursor.



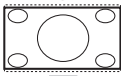
Zoom 14:9 The picture is enlarged to 14:9 format, a thin black band remains on both sides of the picture. The ∧∨ cursor allow you to compress and move the image vertically to view the top or bottom of the picture (subtitles).



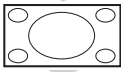
Zoom 16:9 The picture is enlarged to 16:9 format. This mode is recommended when displaying pictures which have black bands at the top and bottom (letterbox format). Use the ∧∨ cursor if you wish to compress and move the image vertically to view the top or bottom of the picture.



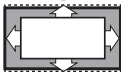
Subtitle Zoom This mode is used to display 4:3 pictures using the full surface of the screen leaving the sub-titles visible. Use the ∧∨ cursor to increase or decrease the compression at the bottom of the screen.



Super Wide This mode is used to display 4:3 pictures using the full surface of the screen by enlarging the sides of the picture. The ∧∨ cursor allow you to scroll the image up or down the screen.



Widescreen This mode restores the correct proportions of pictures transmitted in 16:9 using full screen display.



Auto Format *(only available on certain versions).* The format of the picture is automatically adjusted to fill as much of the screen as possible.

Using PIP

(only available on certain versions)

This feature enables you to display a small superimposed window. You can display in this window the picture from an appliance connected to the TV (e.g. video recorder, DVD, ...).

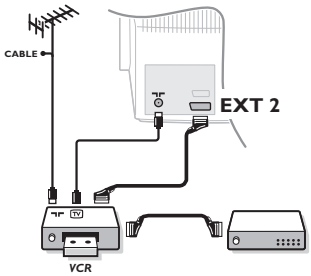
1. Press the key to display the PIP screen. A small superimposed window appears in the main screen.
2. Use the key to select a picture from the appliance connected to the TV.
3. Press the key again to change the size of the window then make it disappear.
4. Use the key if you want to hide the window. You can also shift it progressively by using the cursor (only on position 5).
5. Use the key if you want to swap the 2 pictures.

Connecting peripheral equipment

Depending on the versions, the TV set is equipped with 2 or 3 SCART connectors EXT1, EXT2 and EXT4 located on the rear.

The EXT1 connector has audio video inputs/outputs and RGB inputs.
The EXT2 connector has audio video inputs/outputs and S-VHS inputs.
The EXT4 connector (if available) has audio video inputs/outputs and RGB inputs.

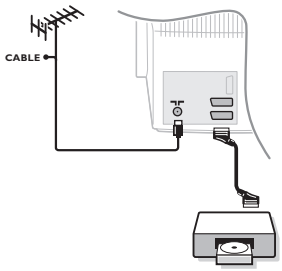
Video recorder



Carry out the connections shown opposite, using a good quality euroconnector cable.
If your video recorder does not have a euroconnector socket, the only connection possible is via the aerial cable. You will therefore need to tune in your video recorder's test signal and assign it programme number 0 (refer to manual store, p. 5).
To reproduce the video recorder picture, press **0**.

Video recorder with decoder
Connect the decoder to the second euroconnector socket of the video recorder. You will then be able to record scrambled transmissions. See also the **Decoder** menu (page 6).

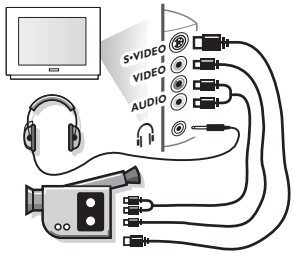
Other equipment



Satellite receiver, decoder, DVD, games, etc.
Carry out the connections shown opposite.
To optimise picture quality, connect the equipment which produces the RGB signals (digital decoder, games, etc.) to EXT1 or EXT4, and the equipment which produces the S-VHS signals (S-VHS and Hi-8 video recorders, certain DVD drives) to EXT2.

To select connected equipment
Press the key to select EXT1, EXT2, S-VHS2 (S-VHS signals from the EXT2 socket), EXT3 for connections on the front panel and EXT4 *(if available)*.
Most equipment (decoder, video recorder) carries out the switching itself.

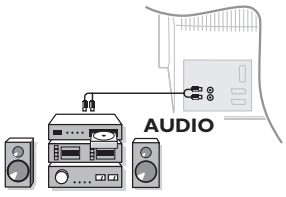
Side connections



Make the connections as shown opposite.
With the key, select EXT3.
For a mono set, connect the sound signal to the AUDIO L (or AUDIO R) input. The sound automatically comes out of the left and right speakers of the set. Do not connect VIDEO and S-VIDEO cable at the same time. This may cause picture distortion.

Headphones
Press the 🔇 key to mute the sound on the TV set (see also sound settings, page 6).
The headphone impedance must be between 32 and 600 Ohms.

Amplifier *(only available on certain versions)*



To connect to a hi-fi system, use an audio connection cable and connect the "L" and "R" outputs on the TV set to the "AUDIO IN" "L" and "R" input on your hi-fi amplifier.

EasyLink Function

(only available on certain versions)

easy LINK

If your video recorder has an EasyLink function, during installation, the language, country and available channels are automatically transmitted to the video recorder. Equally, when the video recorder is in standby, pressing the ● key on the remote control will start the recording of the same programme displayed on the TV set.

The video recorder must be connected to the EXT2 connector (see p. 10).

Video recorder or DVD, SAT, AMP, CD keys

The remote control lets you control the main functions of the VCR or DVD.

Press the **Select** key to select the required mode : **VCR**, **DVD**, **SAT**, **AMP** or **CD**. The remote control indicator lights up to display the selected mode. It switches off automatically after 60 seconds if left idle.
The remote control automatically returns to TV mode.
The following keys are operational, depending on the equipment :

- ⏻ standby,
- ◀◀ fast rewind,
- ▶▶ fast forward,
- ● recording,
- ■ stop,
- ▶ play,
- pause,
- DVD : subtitling language
- DVD : subtitle selection
- VCR : tape list function,
- MENU menu,
- cursor navigation and adjustments,
- OK validation,
- 0 9 digit keys,
- − P + programme selection,
- I-II audio selection.
- OSD menu,
- VCR timer.

The remote control is compatible with all video recorders using the RC5 standard and all DVDs using the RC6 standard.

Tips

Poor reception

The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, try manually adjusting your picture: see Fine Tuning (p.5) or modify the orientation of the outside aerial.

Does your antenna enable you to receive broadcasts in this frequency range (UHF or VHF band)?

In the event of difficult reception (snowy picture) switch the Dynamic NR on the Features menu to ON. (p. 6).

No picture

If the television does not switch on, please press the standby key ⏻ (located on the remote control) twice.

Have you connected the aerial socket properly? Have you chosen the right system? (p. 5).

Poorly connected euroconnector cables or aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the TV set is moved or turned). Check all connections.

Peripheral equipment gives a black and white picture

To play a video cassette, check that it has been recorded under the same standard (PAL, SECAM, NTSC) which can be replayed by the video recorder.

The remote control no longer works

Check that the mode selector on the side of the remote control is set to TV.

No sound

If on certain channels you receive a picture but no sound, this means that you do not have the correct TV system. Modify the System setting (p. 5).

Teletext

Are certain characters not displayed correctly? Check that the Country setting has been positioned correctly (p.5).

Remote control

The TV set does not react to the remote control; the indicator on the set no longer flashes when you use the remote control? Replace the batteries.

Standby

When you switch the TV set on it remains in standby mode and the indication Locked is displayed when you use the keys on the TV set?

The Child Lock function is switched On (p. 7).

If the set receives no signal for 15 mins, it automatically goes into standby mode.

In standby mode, your TV consumes less than 5W depending on model. In order to be more environmentally friendly, please use the on/off (power) switch to turn the set off completely.

Still no results ?

If your TV set breaks down, never attempt to repair it yourself: contact your dealer's after-sales service.

Cleaning the set

Only use a clean, soft and lint-free cloth to clean the screen and the casing of your set. Do not use alcohol-based or solvent-based products.

Safety Information: Electric, Magnetic and Electromagnetic Fields ("EMF")

1. Philips Royal Electronics manufactures and sells many products targeted at consumers, which, like any electronic apparatus, in general have the ability to emit and receive electro magnetic signals.
2. One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.
3. Philips is committed to develop, produce and market products that cause no adverse health effects.
4. Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.
5. Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardization for early integration in its products.

Glossary

RGB Signals : These are 3 Red, Green and Blue video signals which directly drive the red, green and blue emitters in the cathode ray tube. Using these signals provides better picture quality.

NICAM sound : Process by which digital sound can be transmitted.

System : Television pictures are not broadcast in the same way in all countries. There are different standards: BG, DK, I, and L L'. The SYSTEM setting (p. 6) is used to select these different standards. This is not to be confused with PAL or SECAM colour coding. Pal is used in most countries in Europe, Secam in France, Russia and most African countries. The United States and Japan use a different system called NTSC.

100Hz : Conventional televisions (50 Hz) produce a visible image flicker. Thanks to 100 Hz technology, the scanning frequency is doubled. It is visually more comfortable and the flickering effect is reduced.

16:9 : Refers to the ration between the length and height of the screen.
Wide screen televisions have a ration of 16/9, conventional screen TV sets have a ration of 4/3.

Table of TV frequencies.
Frequenztabelle der Fernsehsender.
Liste des fréquences TV.
Frequentietabel TV-Zenders.
Tabella delle frequenze TV.
Lista de frecuencias TV.

Lista das frequências TV
Liste over TV senderne.
Tabell over TV-frekvenser.
Tabell över TV-frekvenser.
TV-taajuustaulukko.
Κατάλογος συχνοτήτων πομπών.

Список частот передатчиков.
A televizió-adóállomások frekvenciáinak a listája.
Lista częstotliwości stacji nadawczych.
Seznam frekvenčních pásem vysílačů.
Zoznam frekvenčných pásiem vysielačov.

EUROPE

CANAL	FREQ (MHz)
E2	48.25
E3	55.25
E4	62.25
E5	175.25
E6	182.25
E7	189.25
E8	196.25
E9	203.25
E10	210.25
E11	217.25
E12	224.25
R1	49.75
R2	59.25
R3	77.25
R4	85.25
R5	93.25
R6	175.25
R7	183.25
R8	191.25
R9	199.25
R10	207.25
R11	215.25
R12	223.25
S1	105.25
S2	112.25
S3	119.25
S4	126.25
S5	133.25
S6	140.25
S7	147.25
S8	154.25
S9	161.25
S10	168.25
S11	231.25
S12	238.25
S13	245.25
S14	252.25
S15	259.25
S16	266.25
S17	273.25
S18	280.25
S19	287.25
S20	294.25
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	839.25
69	855.25

FRANCE

CANAL	FREQ (MHz)
2	55.75
3	60.50
4	63.75
5	176.0
6	184.0
7	192.0
8	200.0
9	208.0
10	216.0
B	116.75
C	128.75
D	140.75
E	159.75
F	164.75
G	176.75
H	188.75
I	200.75
J	212.75
K	224.75
L	236.75
M	248.75
N	260.75
O	272.75
P	284.75
Q	296.75

ITALY

CANALE	FREQ (MHz)
A	53.75
B	62.25
C	82.25
D	175.25
E	183.75
F	192.25
G	201.25
H	210.25
H1	217.25

Information for users in the UK *(not applicable outside the UK)*

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 5 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures. The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

General Points

Please take note of the section entitled 'Tips' at the end of this booklet.

Interference

The Department of Trade and Industry operates a Radio Interference Investigation Service to help TV licence holders improve reception of BBC and IBA programmes where they are being spoilt by interference.

If your dealer cannot help, ask at a main Post Office for the booklet "How to Improve Television and Radio Reception".

Mains connection

Before connecting the TV to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

Important

Should it become necessary to replace the mains fuse, this must be replaced with a fuse of the same value as indicated on the plug.

1. Remove fuse cover and fuse.
2. The replacement fuse must comply with BS1362 and have the ASTA approval mark. If the fuse is lost, make contact with your retailer in order to verify the correct type.
3. Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be removed.

Connecting the aerial

The aerial should be connected to the socket marked ⊐⊏ at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Make-shift loft or set-top aerials are often inadequate. Your dealer will know from experience the most suitable type for your locality.

Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera it is recommended that these be connected via a combiner unit to avoid repeated connection and disconnection of the aerial plug.

Fitting the stand (if provided)

Use only the stand provided with the set, making sure that the fixings are properly tightened. A diagram showing how to assemble the stand is packed with the stand. Never use a make-shift stand, or legs fixed with woodscrews.

GB
FR
NL
DE
IT
DK
NO
SW
SF
RU
ES
PT
GR
TR
HU
PL
CZ
SK

Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.
2005 © Koninklijke Philips Electronics N.V. All rights reserved.

www.philips.com

3111 256 1330.3 Esp-salsa sofa